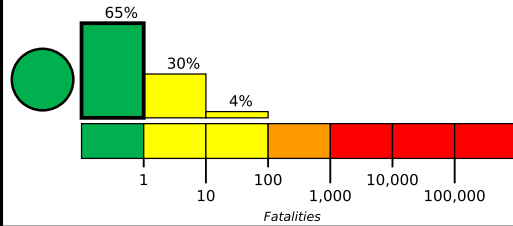


M 5.2, Nepal-India border region

Origin Time: 2023-10-21 19:54:20 UTC (Sun 01:39:20 local)
Location: 27.8679° N 84.7191° E Depth: 24.7 km

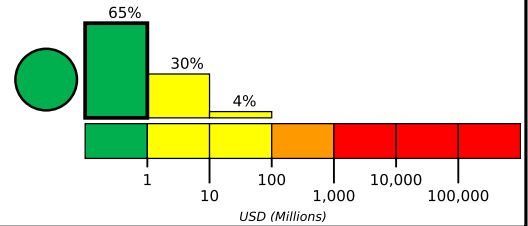
Created: 1 day, 19 hours after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

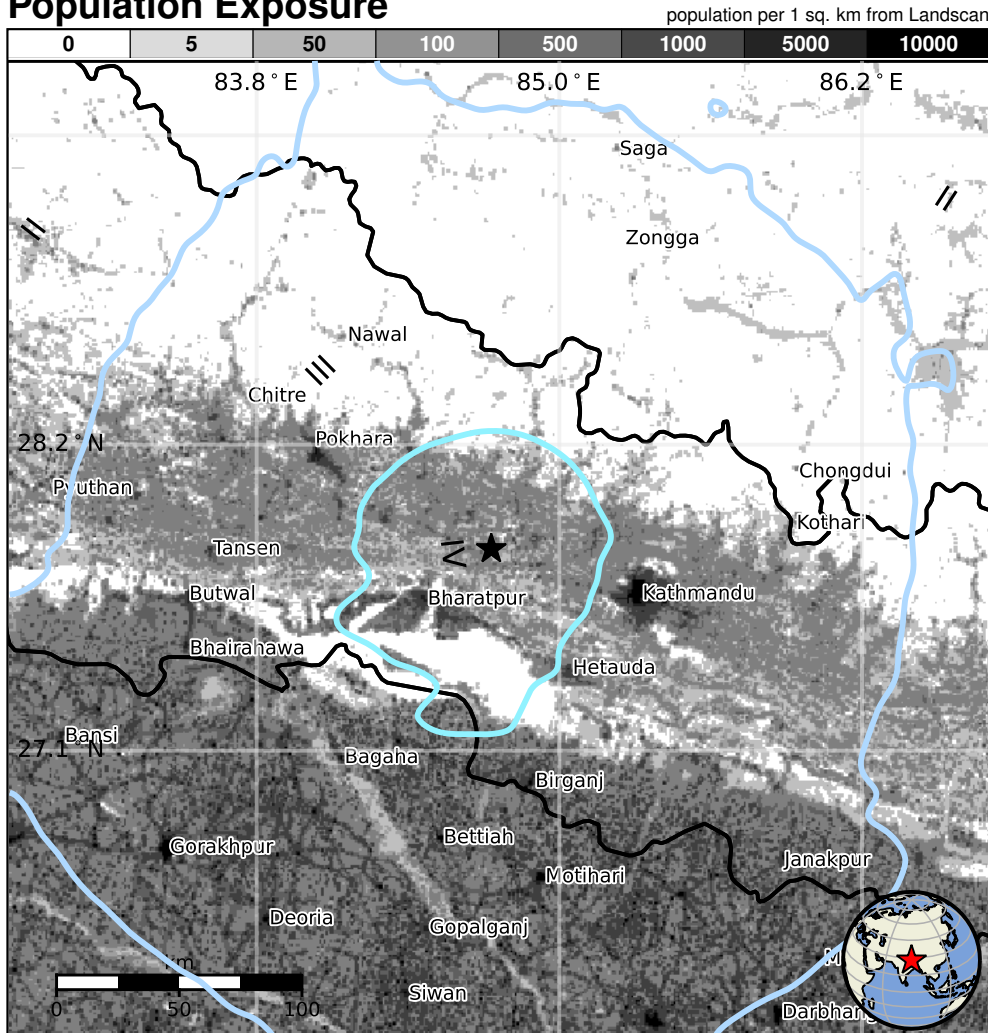


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	80,129k	3,114k	31k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1993-03-20	283	6.2	VII(2k)	2
2006-02-14	365	5.3	VI(464k)	0
1988-08-20	224	6.8	VIII(12k)	1k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Bharatpur	107k
IV	Hetauda	85k
III	Khudi	<1k
III	Lamjung	<1k
III	Kirtipur	45k
III	Ramnagar	43k
III	Kathmandu	1,442k
III	Pokhara	200k
III	Gorakhpur	674k
III	Muzaffarpur	333k
II	Darbhanga	287k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us60001h8c#pager>

bold cities appear on map.

(k = x1000)

Event ID: us60001h8c